

PRELIMINARY ISSUE

Work Order ID 94406

94406

Page 1

Monday, December 17, 2012 8:39:29 AM

Item ID: D4722-3

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Fixed Hinge

Start Date: 12/17/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 12/18/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D4722	REV. <i>PBI</i>

100 Cut blanks as per folio 0.00

100

Bandsaw Memo 0.00

Jeaspa Bandsaw CUT BLANK AT .900"

110 0.00

110

HAAS I Memo 0.00

HAAS CNC vertical machine #1 MACHINE AS PER DWG & FOLIO FB137

FOLIO REV: *A4*

DWG REV: *PBI*

DEBURR



D4
33
1
12.12.17

D4
02
89

12-12-18

(12)

(P40)

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input checked="" type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input checked="" type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input checked="" type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input checked="" type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>	12-12-18	110	x1	rectangular tank part came loose during machining RC rectangular block held in vise by short sides 1.000" rotated prog 90° to hold block by 2.500" side, removed too much material		scrap + replace M DELREN B 1.250x 2.500 <u>M 114290</u>	[Signature] 12-12-18	Smb 12-12-19	
Equip/Tooling <input checked="" type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input checked="" type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input checked="" type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

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Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

120

QC2- Inspect parts off machine FAI/FAIB

0.00

120

QC

Memo

0.00

Quality Control

D40
02
89
BT 12 12 18 (Y2)

130

QC8- Inspect parts - second check

0.00

130

QC

Memo

0.00

Quality Control

5mb
12/19

2

132

132

Outsource4

Memo

0.00

0.00

Outsource process - Anodize

N/A
Gum

Work Order ID 94406***94406***

Page 3

Item ID: D4722-3

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

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Cust Item ID:

Required Date: 12/18/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

134

Receive & Inspect for Damage & Mat'l Certs

0.00

134

Packaging

Memo

0.00

Packaging

136

QC3- Inspect Part Finish

0.00

136

QC

Memo

0.00

Quality Control

140

Identify as per dwg & Stock Location: _____

0.00

140

Packaging

Memo

0.00

Packaging

Work Order ID 94406***94406***

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Monday, December 17, 2012 8:39:29 AM

Item ID: D4722-3 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Fixed Hinge
Start Date: 12/17/2012 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 12/18/2012 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): 1 Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

MF
12-12-12

POSITIVE RECALLEFFECTIVE 12/12/12 AUTH 12/12/12

RELEASED _____ DATE _____

Picklist Print

Monday, December 17, 2012 8:39:28 AM

Page 1

Work Order ID: 94406

Parent Item: D4722-3

Parent Item Name: Fixed Hinge

Start Date: 12/17/2012

Required Date: 12/18/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 12-10-02 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDELRLNB1.250X2.500 Delrin Bar 1.250"X 2.500"		Purchased	No				f	6.0800		0.1684211			

Location

Loc Qty

Loc Code

MAT018

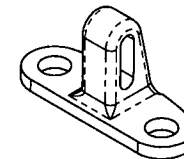
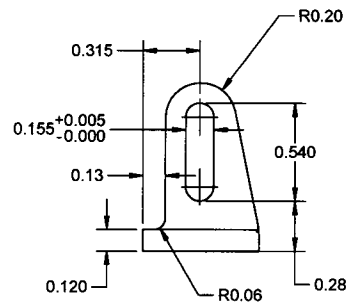
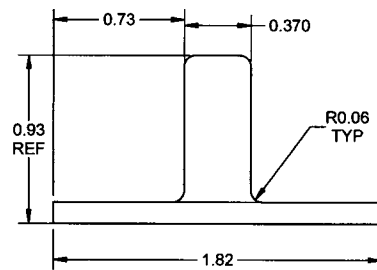
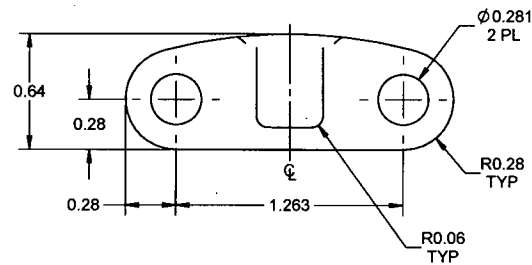
6.08

14290

6.08

[Handwritten signature]

[Handwritten signature]



D4722-3 FIXED HINGE

NOTES:

- 1) MATERIAL: DELRIN II 150E OR ACETRON GP ACETAL
REF DART SPEC M-DELRIN-B
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs



DESIGN	RF	DART AEROSPACE USA, INC.	
DRAWN	RF	KENT, WA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. PB1
MFG. APPR.	<i>[Signature]</i>	D4722	SHEET 3 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.		FUEL CAP HINGE	NTS
DATE	12.12.14	<small>COPYRIGHT © 2012 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

DART AEROSPACE LTD	Work Order: 94406
Description: Fixed Hinge	Part Number: 4722-3
Inspection Dwg: D4722 Rev: PB1	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.64	+/- .030	.643	—		vern	PT-4
.73	+/- .030	.730	—			
.370	+/- .010	.367	—			
1.82	+/- .030	1.822	—			
.93	+/- .030	.929	—			
.281	+/-	.281	—			
1.263	+/- .010	1.260	—			
.28	+/- .030	.279	—			
.28	+/- .030	.279	—			
.315	+/- .010	.315	—			31006
.540	+/- .010	.538	—			
.28	+/- .030	.272	—			
.120	+/- .010	.116	—			
.130	+/- .030	.125	—			
.155	+ .005 / - .000	.155	—			

Measured by: <i>BT</i>	Audited by: <i>SMB</i>	Preliminary Approval:
Date: 12-12-18	Date: 12/12/18	Date:

Rev	Date	Change	Revised by	Approved
E	10.04.14	Added preliminary approval	KJ	

10.04.15

Receiving Report

Date: 10/3/31

Batch No: 1114290

Supplier: SABIC

Dart P/O: 11092

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 1 10/3/31 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

Production/Admin: 10/3/31
 Date
 Received/Costing
 Initial

Location

SABIC Polymershapes

سابك
sabic

INVOICE NO.	0090326/M
INVOICE DATE	30.03.10
TAKEN BY	melkertd
G.S.T. REG. NO.	856372750RT0001
CARRIER	

PST 85637 2750 TR000

INVOICE

SOLD TO: DART AEROSPACE LTD

SHIP TO: DART AEROSPACE LTD

1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
Canada

1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
Canada

A/C 22.33

CUSTOMER DARAER		SHIP VIA PUROLATOR		TAX LIC 1 CHARGE GST		TAX LIC 2 6112-5207		INVOICE TERMS NET 30 DAYS		SALES ORDER O90479		PAGE 1		WHS. 99		
CUSTOMER P.O. PO11542			SHIP DATE 30.03.10		FREIGHT TERMS PREPAID + CHARGE		SALES REP. WADE DIXON		S.D.N. 01		BILL OF LADING		Sch. Date 31.03.10		Sales Office 99	
LN	PRODUCT		ORDER	B/O	SHIP	SKU	DESCRIPTION					PRICE	PER	EXTENSION		
001	F91103205		2	0	2	EA	ACETRON GP PLATE - BLACK 1.250 X 2.5 X 48					1 93.68	EA	187.36		
002	0000005		1	0	1	EA	THANK YOU FOR SELECTING SABIC POLYMERSHAPES FREIGHT GST PAYABLE @ 5%					1 .00	EA	0.00		
							PLEASE PAY THIS AMOUNT							25.00 10.62 ----- 222.98 =====		

*** IF YOU ARE NOT CURRENTLY RECEIVING OUR INVOICES ***																
*** VIA EMAIL OR FAX, PLEASE SUPPLY US WITH AN EMAIL ***																
*** ADDRESS OR FAX NUMBER . FAX TO 905-789-3161 ***																

*																
RECEIVED APR 12 2010																

PLEASE Remit To: SABIC Polymershapes 9150 Airport Road Brampton ON L6S 6G1
Phn : (613)745-7043 Fax : (613)745-4291

NO GOODS TO BE RETURNED WITHOUT APPROVAL FROM US. ALL DISCREPANCIES MUST BE REPORTED WITHIN 3 DAYS.

Page 1 of 1

All amounts are calculated in domestic currency.

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name			VC-GE001	SABIC Polymershapes							
PO11542	I		MDEL RINB1.250X2. f 500		3/24/2010	3/31/2010	8.0000	\$23.42	0.0000	0	\$187.36
CAD	No		Dclrin Bar 1.250"X f 2.500" 114290		8.0000	DCUSER		\$187.36	0.0000	0	

*** SHIPPER ***
*** Conversion/Fabrication ***

A/C 11.64

SABIC Polymershapes
1250 Old Innes Rd., Unit 513

Page: 1

Ottawa, Ontario K1B 5L3
PST 55537 2750 TR0001
PHONE: (613)745-7043 FAX: (613)745-4291

SOLD TO: DART AEROSPACE LTD

SHIP TO: DART AEROSPACE LTD

1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
Canada

1270 ABERDEEN STREET
HAWKESBURY ON K6A 1K7
Canada
1-613-532-5280

Cur Order No	Customer	GST License	PST License	Invoice Terms	Ordered	Shipped	Taken By	RDD
090479	DABAER	CHARGE GST	5112-5207	NET 30 DAYS	22.03.10		Helkett	21.03.10
Ship.Doc.No	Salesrep	Customer P.C.#	Shipped Via	F.O.B.	Freight Terms	Inv. No.	Ship Date	
01	93	P011542	PURULATOR		PESPAID + CHARGE		21.03.10	
Ln#	Location	Ord	B/Q	Ship Sku	Product Code	Description	U/Price	

DELIVERIES TO BE DONE BEFORE								
4:00 PM . ADVISE SHIPPING CO.								

001 2 2 EA ACETRON GP PLATE - BLACK
1.250 X 2.5 X .48

002 1 0 1 EA 0000005
THANK YOU FOR SELECTING
SABIC POLYMERSHAPES

Schultz

LINE No.	RECEIVING No.	PICKED BY	DATE	SHIPPED BY	DATE	VERIFIED	DATE
					2013/10		

NO GOODS TO BE RETURNED WITHOUT APPROVAL FROM SABIC. ALL DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS.
ALL RETURNS MUST HAVE VALID RETURNED GOODS AUTHORIZATION NUMBER CLEARLY MARKED ON ALL PACKAGES.



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO11542

Purchase Order Date 3/22/10

PO Print Date 3/22/10

Page Number 1 of 1

Order From :

VC-GEPO01

SABIC POLYMERSHAPES
9150 AIRPORT ROAD
BRAMPTON, ON L6S 6G1
CA

Contact Name

Vendor Phone 800 267 1575

Vendor Fax 613 745 4291

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	MDELINB1.250X2.500	Delrin Bar 1.250"X 2.500"	3/24/10 Yes	8.00 f	Purolator ground	\$23.4200	\$187.36

Special Inst: MATERIAL: DELRIN II 150E OR
ACETRON GP ACETAL
COLOR: BLACK

PO Total:

\$187.36

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 3/22/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

SABIC
Innovative
Plastics™

سابك
sabic

CERTIFICATE OF COMPLIANCE

SOLD TO: DART AEROSPACE

DATE: MARCH 23, 2010

YOUR PURCHASE ORDER: PO11542

OUR SHIPPER NO: 090479

SABIC POLYMERSHAPES LINE ITEM # 001

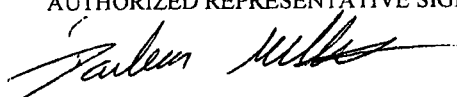
QUANTITY: 2 PCS.

DESCRIPTION: ACETRON GP PLATE - BLACK - 1.250 X 2.5 X 48

S
6/23/10

THIS IS TO CERTIFY THAT THE MATERIAL FINISHES AND FUNCTIONAL REQUIRMENTS OF THE ABOVE LISTED PARTS ARE IN ACCORDANCE WITH THE REFERENCE PROCUREMENT SPECIFICATIONS, CONTROL DRAWINGS OR PARTS DESIGNATION AND LATEST REVISIONS AS REFERENCED ON THE SUBJECT PURCHASE ORDER.

AUTHORIZED REPRESENTATIVE SIGNATURE



DARLEEN MELKERT
INSIDE SALES REPRESENTATIVE

1250 Old Innes Road
Unit 519
Ottawa, Ontario
K1B 5L3

T: 613-745-7043
F: 613-745-4291
E: darleen.melkert@sabic-ip.com
www.sabic-ip.com